

Converting Colors

XYZ(21.7653, 9.9420, 3.2546)

Have a look what the booklet for
XYZ(21.7653, 9.9420, 3.2546)
contains.

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Color

**XYZ(22.4660, 11.5269,
3.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	C1002D
RGB	193, 0, 45
RGB Percent	76%, 0%, 18%
CMY	0.2431, 0.9999, 0.8235
CMYK	0.00, 1.00, 0.77, 0.24
HSL	346°, 100%, 38%
HSV	346°, 100%, 76%
XYZ	22.4660, 11.5269, 3.5235
YIQ	62.8370, 100.5830, 54.9110

Conversions

Conversions Part 2

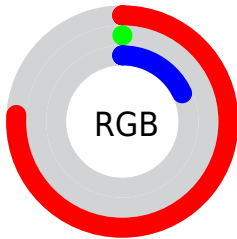
Format	Color
RYB	193, 0, 45
Decimal	12648493
CIELab	40.45, 65.81, 33.60
CIElCh	40, 73.893, 27.048
Yxy	11.5269, 0.5988, 0.3072
Android (android.graphics.Color)	4290838573 (0xFFC1002D)
YUV	62.8370, -8.7936, 114.1530
Hunter-Lab	33.9513, 58.7010, 17.6127

Details

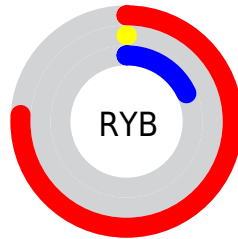
The XYZ color **22.4660, 11.5269, 3.5235** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.4183, 40.2792, 34.5188**, and the grayscale version is **4.7056, 4.9507, 5.3913**.

A 20% lighter version of the original color is **46.2216, 28.2018, 12.9049**, and **9.2059, 4.7458, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **22.4653, 11.5267, 3.5208**, and if you desaturate by 10%, it is **23.0412, 12.1387, 5.3764**.

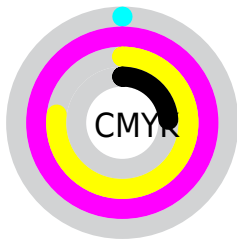
Distribution



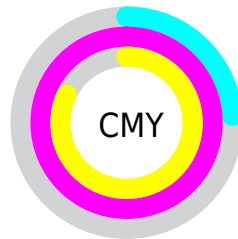
- Red (76%)
- Green (0%)
- Blue (18%)



- Red (76%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4660, 11.5269, 3.5235 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.4660, 11.5269, 3.5235 by changing the saturation by 10% instead.

■ 22.4660, 11.5269,
3.5235

■ 22.4660, 11.5269,
3.5235

257.5571,
201.2476, 142.7719

■ 14.3182, 6.4224,
1.3678

■ 46.9881, 28.6305,
12.8950

■ 8.4255, 3.1036,
0.1164

■ 64.0932, 41.3983,
20.9478

■ 4.4225, 1.1861,
0.0000

■ 84.9148, 57.4894,
31.8034

■ 1.9438, 0.0503,
0.0000

■ 109.8181, 77.2882,
45.8803

■ 0.6021, 0.0000,
0.0000

■ 139.1687,
101.1790, 63.5971

■ 0.0000, 0.0000,
0.0000

■ 173.3318,

129.5462, 85.3723

212.6729,
162.7743, 111.6244

■ 22.4660, 11.5269,
3.5235

■ 22.4660, 11.5269,
3.5235

■ 22.4653, 11.5267,
3.5208

■ 23.0412, 12.1387,
5.3764

■ 23.9624, 13.2672,
7.8840

■ 25.3224, 15.0851,
11.1185

■ 27.1720, 17.6819,
15.1338

■ 29.5547, 21.1334,
19.9785

■ 32.5089, 25.5063,
25.6970

■ 36.0695, 30.8609,
32.3302

■ 40.2685, 37.2520,
39.9167

■ 45.1355, 44.7306,
48.4925

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.2519, 11.5269, 14.0815



22.4660, 11.5269, 3.5235



17.3311, 11.5269, 0.5414

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.4660, 11.5269, 3.5235



4.5337, 11.5269, 2.5393



10.4499, 11.5269, 68.2090

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.4660, 11.5269, 3.5235



24.4183, 40.2792, 34.5188

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.3743, 11.5269, 55.0606



22.4660, 11.5269, 3.5235



3.7056, 11.5269, 11.1353

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.4660, 11.5269, 3.5235



7.0153, 11.5269, 0.2753



4.2541, 11.5269, 30.5524



16.1501, 11.5269, 59.1011

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.4660, 11.5269, 3.5235



13.3488, 11.5269, 0.0000



4.2541, 11.5269, 30.5524



8.8677, 11.5269, 66.1003

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.4663, 11.5276, 3.5237



64.2637, 54.7617, 57.2848



21.8341, 10.1445, 51.2591



13.1811, 10.8347, 11.1702



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.4663, 11.5276, 3.5237



40.1582, 20.6134, 5.8963



23.1979, 13.7484, 1.4321



10.1672, 10.1155, 10.9712



14.9683, 7.6771, 2.4792



0.6743, 0.3427, 0.2524

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.4663, 11.5276, 3.5237



40.1582, 20.6134, 5.8963



19.2311, 23.0606, 53.8894



10.1672, 10.1155, 10.9712



14.9683, 7.6771, 2.4792



0.6743, 0.3427, 0.2524

Previews

White Background



This preview shows how the XYZ color 22.4660, 11.5269, 3.5235 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.4660, 11.5269, 3.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4660, 11.5269, 3.5235

Background



This preview shows how black text looks on a background with the XYZ color 22.4660, 11.5269, 3.5235.



This preview shows how white text looks on a background with the XYZ color 22.4660, 11.5269,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.4660, 11.5269, 3.5235

Protanopia

11.3549, 12.2169, 7.2285

Deuteranopia

12.2149, 12.0761, 3.1260



Tritanopia

22.0259, 11.6941, 1.3835

Trichromacy



Original Color

22.4660, 11.5269, 3.5235

Protanomaly

13.0195, 9.1748, 5.3597

Deuteranomaly

14.1106, 9.5574, 2.8513

Tritanomaly

22.0244, 11.5313, 1.8756

Monochromacy



Original Color

22.4660, 11.5269, 3.5235

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.9030, 5.1181, 4.3127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4660, 11.5269, 3.5235 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(193, 0, 45)` looks like.

```
.text, #text, p{  
  color:rgb(193, 0, 45)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(193, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 45) }
```

Border

The CSS property to change the border of an element to XYZ 22.4660, 11.5269, 3.5235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 0, 45) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(193, 0, 45) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(193, 0, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4660, 11.5269, 3.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 45) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(193, 0,  
45) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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